

# INTEROFFICE MEMORANDUM

Date: May 06, 2005  
 To: Arthur L. Williams, Director  
 From: Arthur Chang, Technical Services Supervisor  
 Re: April 2005 FRM PM<sub>2.5</sub> Monitoring Update Report

This is a report of April 2005 Federal Reference Method PM<sub>2.5</sub> monthly averages, annual averages, 3-year annual design values, and year-to-year comparison data summaries. (These data are subject to further quality assurance and are not final.)

## April 2005

**Table 1. PM<sub>2.5</sub> Monthly Data Summary (µg/m<sup>3</sup>)**

	<b>Daily Maximum</b>	<b>Daily Minimum</b>		<b>Monthly</b>
<b>Site Name</b>	<b>Conc. &amp; Date</b>	<b>Conc. &amp; Date</b>	<b>Run Time</b>	<b>Average</b>
Southwick	28.0 (04/19)	4.5 (04/02)	93.3 %	12.3
Wyandotte	26.5 (04/19)	4.5 (04/02 & 4/24)	100.0 %	12.9
Barret	26.5 (04/19)	5.5 (04/25)	100.0%	12.8
Watson	24.0 (04/10)	6.8 (04/28)	100.0 %	14.4
<b>Overall</b>				<b>12.9</b>

The 24-hour average standard is 65 µg/m<sup>3</sup>.

**Table 2. PM<sub>2.5</sub> Design Values and Year-to-Date Annual Mean Comparisons**

<b>Site Name</b>	<b>Annual Mean (ug/m<sup>3</sup>)</b>							<b>Annual Design Values (1999-2001)</b>	<b>Annual Design Values (2000-2002)</b>	<b>Annual Design Values (2001-2003)</b>	<b>Annual Design Values (2002-2004)</b>	<b>Annual Design Values (2003-2005)<sup>3</sup></b>
	<b>2005 Year-To-Date</b>	<b>2004</b>	<b>2003</b>	<b>2002</b>	<b>2001</b>	<b>2000</b>	<b>1999</b>					
Southwick/ <i>Firearms Trn<sup>1</sup></i>	14.2	14.6	15.4	17.2	17.1/ 18.7 <sup>1</sup>	17.3	17.5	N/A	N/A	N/A	<b>15.7<sup>2</sup></b>	<b>~14.7<sup>2</sup></b>
Wyandotte	14.0	14.1	15.2	17.5	17.7	16.7	16.9	<b>17.1<sup>2</sup></b>	<b>17.3<sup>2</sup></b>	<b>16.8<sup>2</sup></b>	15.6	~14.4
Barret	14.2	14.0	15.2	16.3	16.9	16.7	17.2	16.9	16.6	16.1	15.1	~14.4
Watson	13.8	12.7	15.1	15.3	16.3	16.8	15.2	16.1	16.1	15.5	14.3	~13.8

The annual average standard is 15.0 µg/m<sup>3</sup>.

<sup>1</sup> *Firearms Training* temporarily replaced Southwick Community Center monitoring during 2001, due to renovation. Twelve quarters of contiguous data are unavailable.

<sup>2</sup> Design value site for Louisville.

<sup>3</sup> Year-to-date data for 2005.